

Sender: ham-space-relay@UCSD.EDU
Precedence: List
Received: by ucsd.edu; id EAA20738
 sendmail 8.6.9/UCSD-2.2-sun
 Fri, 19 Aug 1994 04:30:41 -0700 for ham-space-ddist
Message-Id: <199408191130.EAA20738@ucsd.edu>
Date: Fri, 19 Aug 94 04:30:40 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@UCSD.EDU>
Errors-To: Ham-Space-Errors@UCSD.EDU
Reply-To: Ham-Space@UCSD.EDU
Precedence: Bulk
Subject: Ham-Space Digest V94 #230
To: Ham-Space@UCSD.EDU

-----Original message-----

Ham-Space Digest Fri, 19 Aug 94 Volume 94 : Issue 230

Today's Topics:

 Address for KC0T0/7 in Wyoming
 Kantronics KPC-9612
 Need 9600 baud mod info for IC271/471
 New satellite Windows programs
 STS-68 - SAREX?

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 18 Aug 1994 12:47:05 -0500
From:
ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!swrinde!pirates.cs.sw
t.edu!cs.utexas.edu!not-for-mail@network.ucsd.edu
Subject: Address for KC0T0/7 in Wyoming
To: ham-space@ucsd.edu

My first AO-13 contact was with KC0T0/7 in Wyoming on 30 July at 0607 UTC.

He gave the QSL route, but I misplaced it.
My card to the callbook address for KC0T0 was returned undeliverable.

Does anyone have the correct QSL route?

-- Wayne Estes WD5FFH Wayne_Estes@csg.mot.com

Date: 18 Aug 1994 18:05:35 GMT
From:
agate!howland.reston.ans.net!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!zip.ee
cs.umich.edu!yeshua.marcam.com!charnel.ecst.csuchico.edu!psgrain!news.tek.com!gv
-gate.gvg.@@ihnp4.ucsd.edu
Subject: Kantronics KPC-9612
To: ham-space@ucsd.edu

Does anyone know if the new Kantronics KPC-9612 dual speed TNC can be
used to communicate with the 9600 baud satellites?

Randy
WA2AGE

Date: Thu, 18 Aug 94 13:33:11 PDT
From:
ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com
!uhog.mit.edu!news.kei.com!ssd.intel.com!chnews!news@network.ucsd.edu
Subject: Need 9600 baud mod info for IC271/471
To: ham-space@ucsd.edu

Im looking for 9600 baud modification info for the ICOM 271 & 471.

Thanks & 73s,
Tom WB7ASR...

Date: Thu, 18 Aug 94 13:10:16 PDT
From:
ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com
!uhog.mit.edu!news.kei.com!ssd.intel.com!chnews!news@network.ucsd.edu
Subject: New satellite Windows programs
To: ham-space@ucsd.edu

I just received my copy of the July/August 1994 issue of THE AMSAT JOURNAL.
In the journal, pages 6-9, they talk about a new Windows PB and PG like

program by ZL2TP0. The program also has a fully intergrated color graphic world map showing satallite positions and foot prints. It has full support for the Kansas City Tracker/Tuner, with the optional Windows program by KC6WYG, on page 10.

Both programs can be purchased from AMSAT direct for \$40.00 @ 301-589-6062
All proceeds go to the Phase3D program.

73s, Tom WB7ASR...

Date: Wed, 17 Aug 1994 20:25:03 -0400

From:

news.cerf.net!bengal.oxy.edu!acsc.com!gopher.sdsc.edu!nic-nac.CSU.net!charnel.ec
st.csuchico.edu!yeshua.marcam.com!news.kei.com!eff!news.umbc.edu!haven.umd.edu!c
s.umd.@ihnp4.ucsd.edu

Subject: STS-68 - SAREX?

To: ham-space@ucsd.edu

In article <32t4l9\$ee1@fozzy.aud.alcatel.com>, rjgrocho@aud.alcatel.com wrote:

> I haven't yet seen anything that sez STS-68 will be a SAREX mission.

> Is it? Tnx.

>

> Robert - N5UPF

STS-64 is the next SAREX mission. Due for launch Sept 9 nominally

Jim Blackwell, N3KWU

Date: 18 Aug 1994 02:10:29 GMT

From:

ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com
!news.umbc.edu!rkirk1@network.ucsd.edu

To: ham-space@ucsd.edu

References <32bqoe\$ur@eis.calstate.edu>, <32ggg8\$hsh@hollywood.cinenet.net>,
<1994Aug13.082514.868@ke4zv.atl.ga.us>.umbc.ed

Subject : Re: Homebrew Global Positioning System (GPS)

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: In article <32ggg8\$hsh@hollywood.cinenet.net> maustin@hollywood.cinenet.net
(Mark Austin) writes:

: >

: >I had an idea. How about linking up a GPS with a cellular phone and

: >a large battery to power both for a couple of days. Then dial a number
: >on the cellular where you want the GPS to send it's location info and
: >drop the whole bundle into someone's car. Since GPS info can be used
: >with several very cheap street mapping systems (DeLorme for one) you'll
: >be able to sit at home and watch them driving down the street on
: >your home computer. Should be able to do this cheap. A couple of
: >hundred dollars (with cheap GPS and cheap phone). I have no ideas
: >on keeping cellular costs down though. One thought would be to set
: >the phone to answer and power up the whole gizmo and then shut down
: >after a call is placed into it. You wouldn't get a continuous
: >signal but you'd be able to find where someone is on demand (if they're
: >within cellular calling range). Such a setup could last for a LONG
: >time with the proper battery.

: You aren't going to be able to get a GPS and cell phone for a couple
: hundred dollars. The cheapest GPS receivers are around \$400, and so
: are cell phones unless you roll their cost into a long term service
: contract. And monthly and per minute cell phone charges will mount
: up fairly rapidly. By using packet radio, amateur or commercial,
: you can send position updates on a regular basis without incurring
: quite as much cost.

: DeLorme Mapping and City Streets are a couple of commercial map
: systems that work with GPS. However, APRS (Automatic Packet Reporting
: System) is in some ways better. While it lacks the friendly user
: interface of the commercial products, and it's pre-made map databases
: are skimpy, you can make your own maps, and it works with local and
: remote GPS receivers (using packet UI frames for the latter). It also
: supports other information about the remote sites such as range and
: bearing data from DF equipment, and arbitrary text messages.

: However, what many of us want is *differential* GPS. The Coast Guard,
: FAA, and others send out position deltas from a fixed benchmark
: receiver that are received and used to correct the reading of the local
: GPS receiver. These transmissions are either at MF or VHF depending on
: the system. A special receiver is required, and either a GPS receiver
: designed to work with differential signals, or a PC that can take the
: timestamped position reports and reconcile them via software, is used
: to give a true position. This method removes the deliberate SA jitter,
: and other error sources such as varying atmospheric propagation factors,
: from the position data. This allows much greater precision in determining
: location than raw GPS alone.

: It would be nice if the APRS author would support this mode in his
: software. Some of us are willing to set up benchmark receivers on
: the amateur bands. That timestamped data could be used to correct
: the positions reported by the rover receivers over packet.

: Gary
: --
: Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
: Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
: 534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
: Lawrenceville, GA 30244 | gary@ke4zv.atl.ga.us

This has already been done on an experimental basis here in the Annapolis area: A cooperating ham otransmits a differential signal on the same freq as the APRS net. Receive it thru your TNC and it goes into the GPS receiver. Works fine.

(Wierd trouble with a missing letter - regrets)

Bob
ht os

End of Ham-Space Digest V94 #230

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QUIT

Date: 25 Aug 1994 05:01:38 GMT
From: ihnp4.ucsd.edu!agate!library.ucla.edu!europa.eng.gtefsd.com!swiss.ans.net!
netnews.lightside.com!news@network.ucsd.edu
Subject: AMSAT
To: ham-space@ucsd.edu

In article <3382u6\$j0b@merlion.singnet.com.sg>,
ianheng@merlion.singnet.com.sg (Ian Heng 9V1XA) says:

>
>Dear Readers
>
>Could someone please give me the information for subscribing to articles
>from AMSAT.org . Thank you.
>
>Your help is much appreciated.
>
>Best regards
>Ian Heng
>9V1XA
>
Send E-mail to listserv@amsat.org

"subscribe amsat-bb"

73's

Date: Wed, 24 Aug 1994 23:27:20 GMT

From: ihnp4.ucsd.edu!news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!
charnel.ecst.csuchico.edu!yeshua.marcam.com!news.kei.com!eff!wariat.org!
malgudi.oar.net!witch!winward!swteegar@network.ucsd.

Subject: KIDS AND SPACE

To: ham-space@ucsd.edu

Greetings one and all....

A year ago when I was busy doing the SAREX thing in Hawaii, I wrote this "Story" of sorts. I write a fair amount, but this one seemed to be accepted by alot of people in education and in the Space Program. I thought I'd share it with all of you in hopes that it inspires you to think about Space and Kids and what maybe YOU can do to help...

Comments are always welcome as are thoughts on what more we can do as hams (And non Hams) to inspire kids to dream about space and the "Big Picture"....

Aloha,

Steve W. Teegarden
WH6IC

SPACE...

In the travels of my life, I have enjoyed walking the quiet sands of Time, and seeing the beauty of crystal clear water as it slowly builds to a wave, then to a horizon, then to a world of oceans.....

I have heard the sounds of Canadian geese as they navigate to the warmer regions of our world flying only by instinct and god's gift of flight....

I have spoken in quiet words to those that could not speak, and I have listened to their sounds, that only the soul can hear...

But I have never seen a sight like that of a child's face

when the only sounds are stars from the distance galaxies above
and the glowing of planets smiling down on earth...

Alas, I have found a way in my life to show others
the vision of what I see.... and to help them hear those sounds
that only the mind can understand....

I have had the chance to see this child look into the
vast depths of space and ask only one thing.....

Can you teach me ?

12-JULY-1993

An inspiration to us all, this vision of a child
as they look into the heavens. May we never forget
that teaching is in fact the extension of the spirit
to go beyond that which do not understand

Steve W. Teegarden

SPACE...

Date: 24 Aug 1994 21:21:46 GMT
From: pa.dec.com!src.dec.com!crl.dec.com!nntpd.lkg.dec.com!iamu.chi.dec.com!
little@decwrl.dec.com
Subject: Question on A0-21
To: ham-space@ucsd.edu

In article <325m1p\$clc@chnews.intel.com>, Tom WB7ASR <tom_boza@ccm.hf.intel.com>
writes:

|>
|>In article <1994Aug8.013435.21380@auc.trw.com>, <etuggle@auc.trw.com> writes:
|>>
|>> Does anyone have any experience working A0-21 with a vertical? If so
|>> how much power should I expect it to take? Anyone using the dual band
|>> J-Pole from the ARRL handbook inside an attic?
|>>
|>
|>You most likley will never be able to work through A0-21 with 20 watts and
|>a vertical/J-pole. You will need at least 100+ watts into a 40+ ele yagi.
|>The only reason you need this type of station is because that is what others

|>are using. Those stations will capture the birds input, thus you will never
|>be heard. Its a shame, because 20 watts with a vertical is really all you need.
|>
|>Tom WB7ASR...
|>

I think that is a slight overstatement. Mobiles get in on a regular basis
and few if any are running 40+ elements. On the other hand, you are correct
that if the others won't stand by to let you in, you won't capture the
satellite's receiver. This is an unfortunate case on the satellites where
the big gun always wins.

73,
Todd
N9MWB

Date: Thu, 25 Aug 1994 04:34:58 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!news.ucdavis.edu!wheel!
dantodd@network.ucsd.edu
Subject: satellite tracking for X?
To: ham-space@ucsd.edu

Mun-Kong Lee (mkleee@actrix.gen.nz) wrote:
: In article <jeppe.777350906@zetor.clinet.fi>,
: Joachim Paganus <jeppe@clinet.fi> wrote:
: > Does anyone know if there is a satellite tracking program for X-windows
: > that shows the satellite and its coverage over a map in real-time?
: > (Like Traksat, STS+ and zillions of other tracking programs for dos)

: In a recent rec.radio.amateur.space article Tom
: (tom_boza@ccm.hf.intel.com) wrote about an article in the July/August
: issue of THE AMSAT JOURNAL, in which it talked about a Windows prog. It
: has full support for the Kansas City tracker/tuner , wtc, wtc.

Perhaps Joachim's use of the plural confused you. X-window is the(a)
windowing system to allow gui manipulation of Unix processes. It also has
a number of widgets which can be used to create graphical programs etc. I
too would be interested in finding sat-tracking software for X as well as
software that will compile and run under Linux (I'm pretty new to Unix
administration, compiling etc. so binaries are best :-)

Thanks,
dan
--

* Daniel D. Todd KC6UUD WWW Publisher *

```

* dantodd@wheel.ucdavis.edu          http://wheel.ucdavis.edu      *
* msmosaic@wheel.ucdavis.edu (WWW stuff) http://www.ucdavis.edu    *
*-----*
* The Woodstock '94 motto:                      *
* Tune in, Turn on,      ..... Sell out.      *
*                                           comedy central          *
*-----*

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Date: Thu, 25 Aug 94 09:11:56 PDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!darkstar.UCSC.EDU!news.hal.COM!olivea!
charnel.ecst.csuchico.edu!yeshua.marcam.com!news.kei.com!ssd.intel.com!chnews!
news@network.ucsd.edu
Subject: satellite tracking for X?
To: ham-space@ucsd.edu

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About six months ago, one of the mask designers had a Xwindows program called "Sattrak" for UNIX. He has since left the Corp. and I don't know how to contact him. Maybe someone on the NET can tell you where you might find a copy.

Tom WB7ASR...

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In article <Cv2q2A.6Mn@ucdavis.edu>, <dantodd@wheel.ucdavis.edu> writes:
> Mun-Kong Lee (mkleee@actrix.gen.nz) wrote:
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> : > that shows the satellite and its coverage over a map in real-time?
> : > (Like Traksat, STS+ and zillions of other tracking programs for dos)
>
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>
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> a number of widgets which can be used to create graphical programs etc. I
> too would be interested in finding sat-tracking software for X as well as
> software that will compile and run under Linux (I'm pretty new to Unix
> administration, compiling etc. so binaries are best :-))
>
> Thanks,
> dan
> --
> *-----*

```

```

> * Daniel D. Todd KC6UUD                WWW Publisher                *
> * dantodd@wheel.ucdavis.edu            http://wheel.ucdavis.edu      *
> * msmosaic@wheel.ucdavis.edu (WWW stuff) http://www.ucdavis.edu      *
> *-----*
> * The Woodstock '94 motto:                *
> * Tune in, Turn on,      .... Sell out.    *
> *                                           comedy central            *
> *-----*

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Date: 24 Aug 1994 16:17:34 -0500
From: elroy.jpl.nasa.gov!sdd.hp.com!saimiri.primate.wisc.edu!news.doit.wisc.edu!
post.its.mcw.edu!not-for-mail@ames.arpa
Subject: Yaesu Ft-736 Mods or undocumented features?
To: ham-space@ucsd.edu

I recently acquired a Yaesu FT-736 and would like to get information on
mods or undocumented features that may be available.

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--
Michael J. Malloy                Amateur Radio N9WJV
Medical College of Wisconsin     Compuserve 70334,3563
Milwaukee, Wisconsin            Internet mmjjmm@post.its.mcw.edu

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End of Ham-Space Digest V94 #237
